Attorney: LeRoy T. Rahn
Ducket No.: 51397/LTR/B600
Inventor(s): Thuji S. Lin et al.
Title: PHASE DETECTORS IN CARRIER
RECOVERY FOR OFFSET QAM AND VSB
Sheet 1 of 16

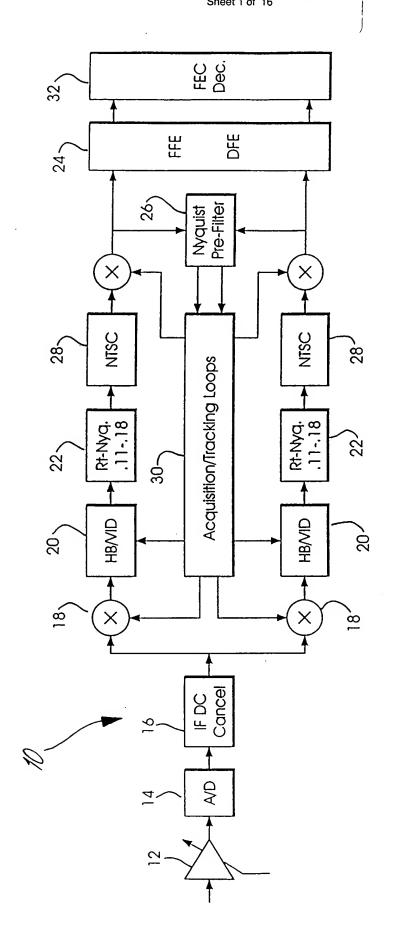


FIG. 1

Attorney: LeRoy T. Rahn Docket No.: 51397/LTR/B600 Inventor(s): Thuji S. Lin et al. Title: PHASE DETECTORS IN CARRIER RECOVERY FOR OFFSET QAM AND VSB Sheet 2 of 16

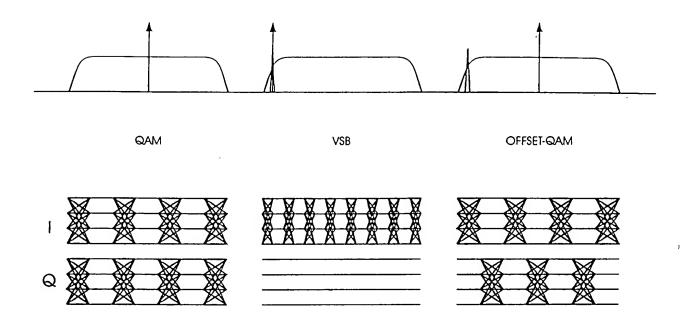


FIG. 2

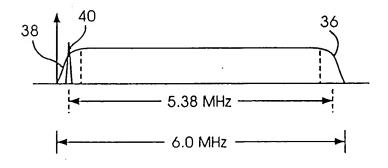


FIG. 3

Attorney: LeRoy T. Rahn Docket No.: 51397/LTR/B600 Inventor(s): Thuji S. Lin et al. Title: PHASE DETECTORS IN CARRIER RECOVERY FOR OFFSET QAM AND VSB Sheet 3 of 16

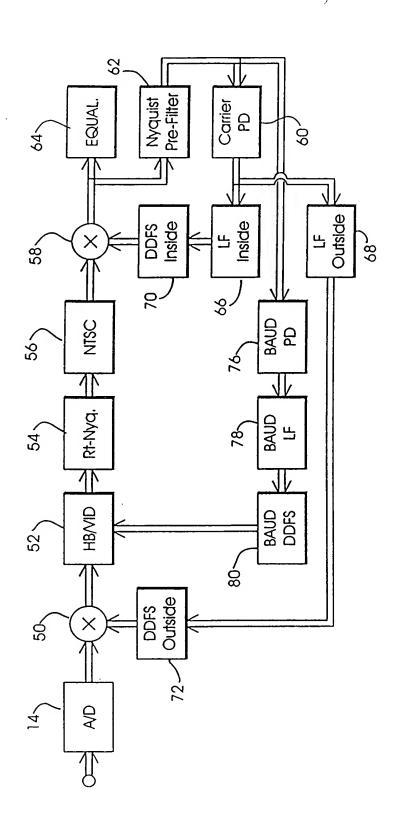


FIG. 4

Attorney: LeRoy T. Rahn Docket No.: 51397/LTR/B600 Inventor(s): Thuji S. Lin et al. Title: PHASE DETECTORS IN CARRIER RECOVERY FOR OFFSET QAM AND VSB Sheet 4 of 16

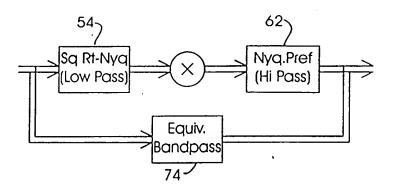


FIG. 5

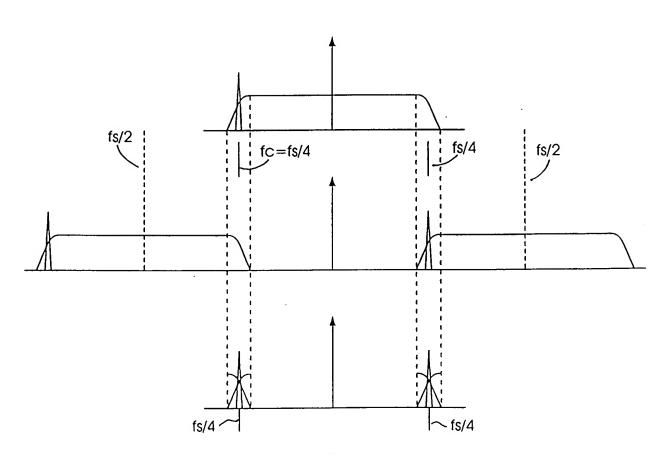


FIG. 6

Attorney: LeRoy T. Rahn Docket No.: 51397/LTR/B600 Inventor(s): Thuji S. Lin et al. Title: PHASE DETECTORS IN CARRIER RECOVERY FOR OFFSET QAM AND VSB Sheet 5 of 16

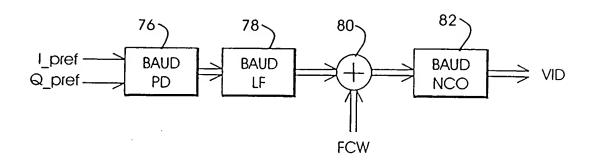


FIG. 7

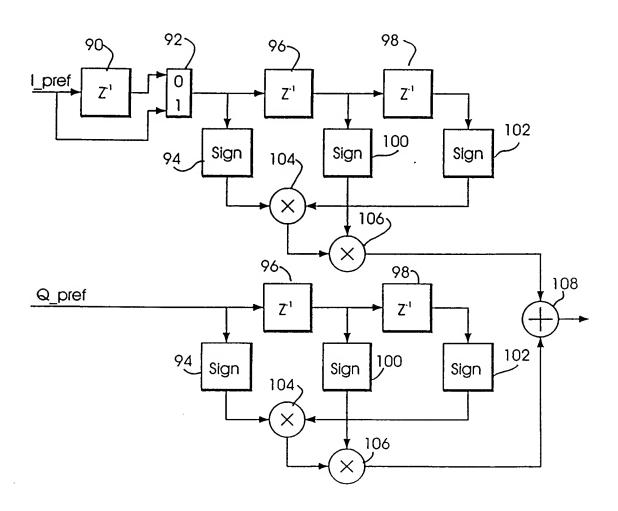


FIG. 8

Attorney: LeRoy T. Rahn Docket No.: 51397/LTR/B600 Inventor(s): Thuji S. Lin et al. Title: PHASE DETECTORS IN CARRIER RECOVERY FOR OFFSET QAM AND VSB Sheet 6 of 16

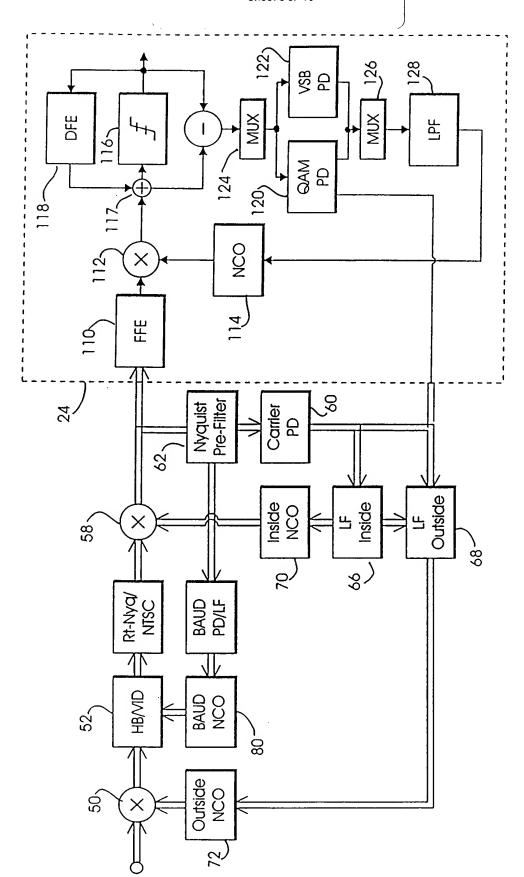


FIG. 9

Attorney: LeRoy T. Rahn Docket No.: 51397/LTR/B600 Inventor(s): Thuji S. Lin et al. Title: PHASE DETECTORS IN CARRIER RECOVERY FOR OFFSET QAM AND VSB Sheet 7 of 16

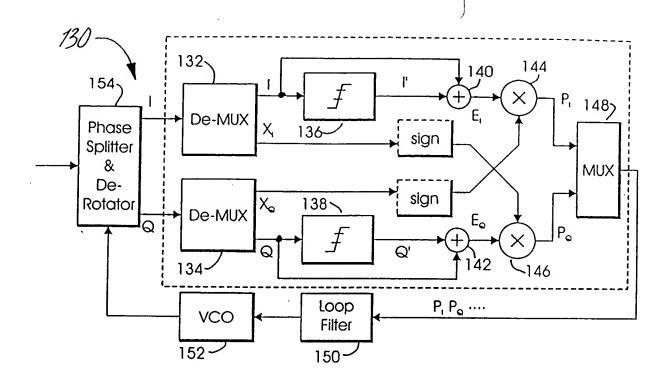


FIG. 10

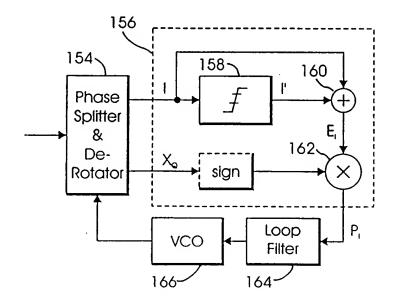


FIG. 11

Attorney: LeRoy T. Rahn Docket No.: 51397/LTR/B600 Inventor(s): Thuji S. Lin et al. Title: PHASE DETECTORS IN CARRIER RECOVERY FOR OFFSET QAM AND VSB Sheet 8 of 16

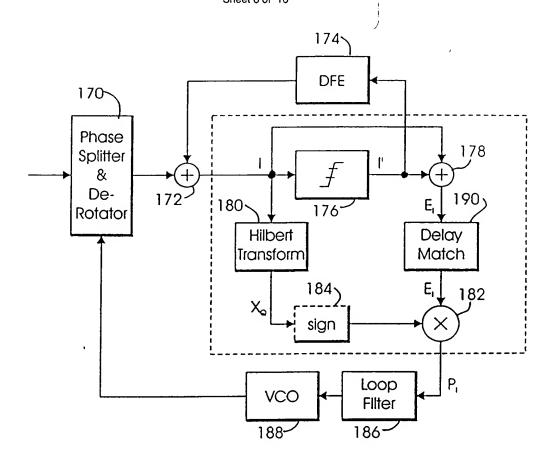


FIG. 12

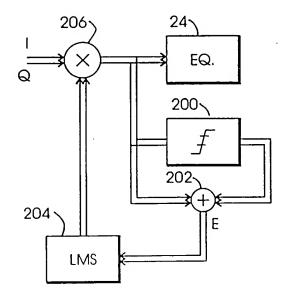


FIG. 13

Attorney: LeRoy T. Rahn Docket No.: 51397/LTR/B600 Inventor(s): Thuji S. Lin et al. Title: PHASE DETECTORS IN CARRIER RECOVERY FOR OFFSET QAM AND VSB Sheet 9 of 16

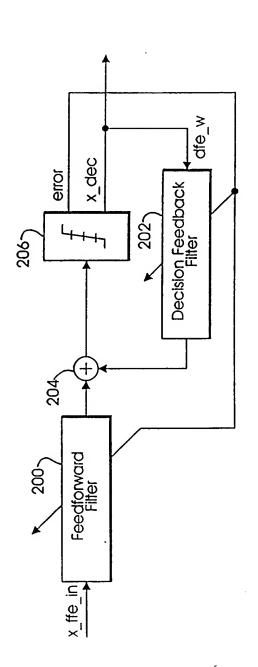
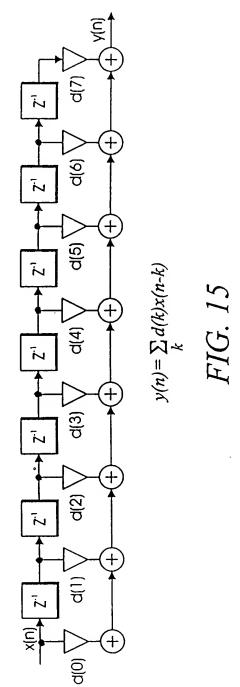


FIG. 14



Attorney: LeRoy T. Rahn Docket No.: 51397/LTR/B600 Inventor(s): Thuji S. Lin et al. Title: PHASE DETECTORS IN CARRIER RECOVERY FOR OFFSET QAM AND VSB Sheet 10 of 16

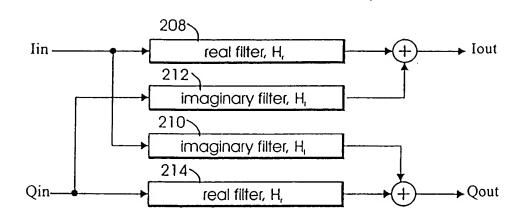


FIG. 16

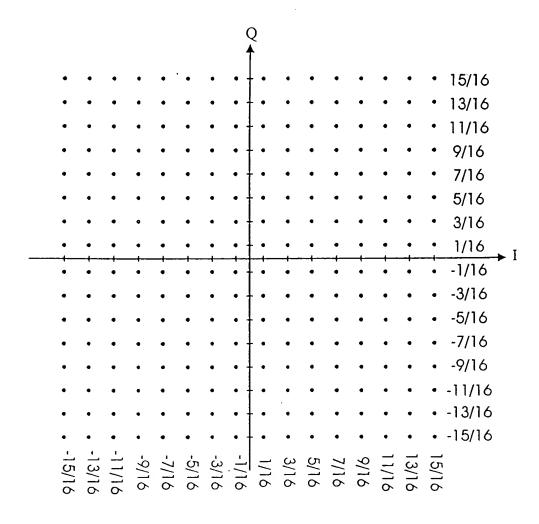


FIG. 17

Attorney: LeRoy T. Rahn Docket No.: 51397/LTR/B600 Inventor(s): Thuji S. Lin et al. Title: PHASE DETECTORS IN CARRIER RECOVERY FOR OFFSET QAM AND VSB Sheet 11 of 16

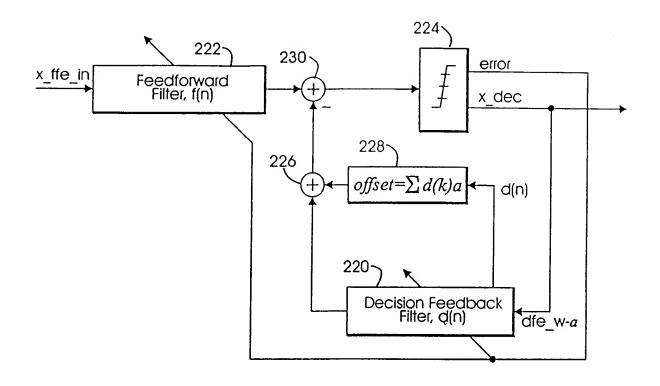


FIG. 18

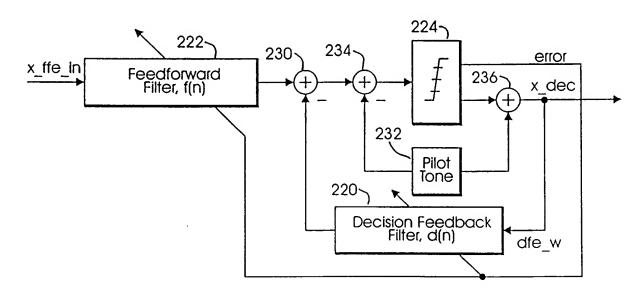


FIG. 19

Attorney: LeRoy T. Rahn Docket No.: 51397/LTR/B600 Inventor(s): Thuji S. Lin et al. Title: PHASE DETECTORS IN CARRIER RECOVERY FOR OFFSET QAM AND VSB Sheet 12 of 16

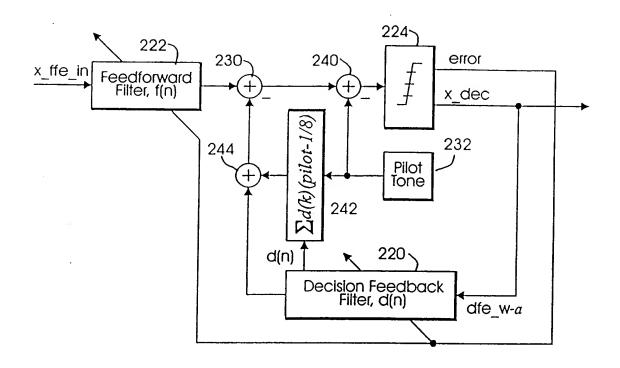


FIG. 20

Attorney: LeRoy T. Rahn Docket No.: 51397/LTR/B600 Inventor(s): Thuji S. Lin et al. Title: PHASE DETECTORS IN CARRIER RECOVERY FOR OFFSET QAM AND VSB Sheet 13 of 16

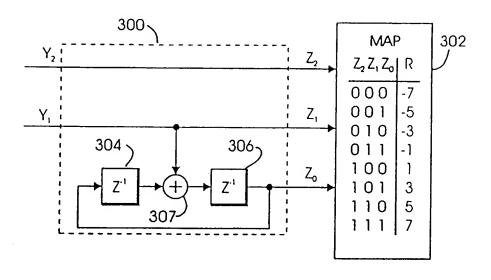


FIG. 21

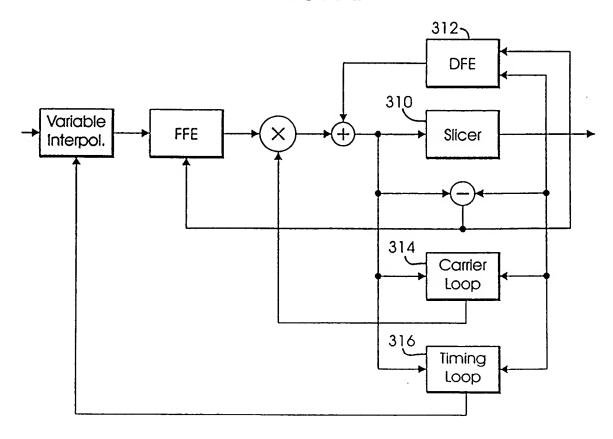


FIG. 22

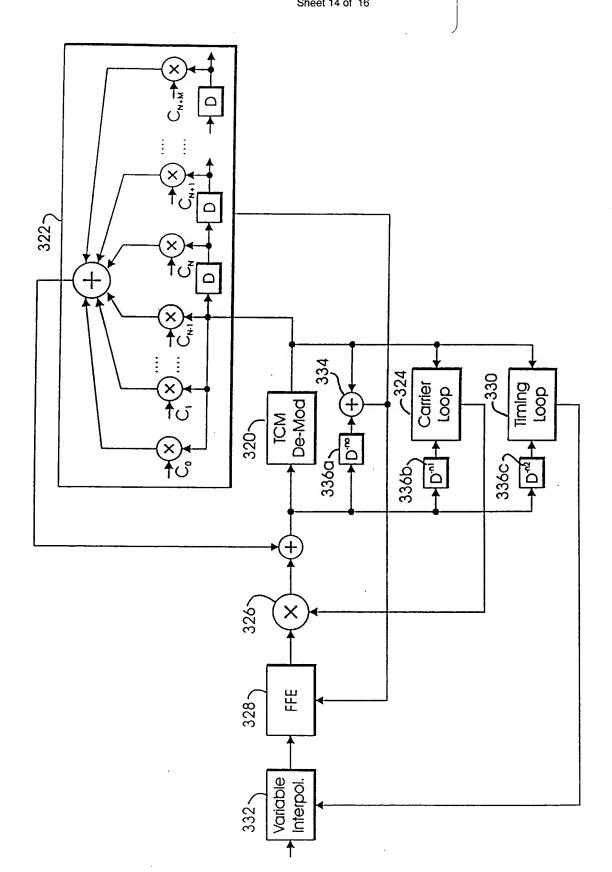
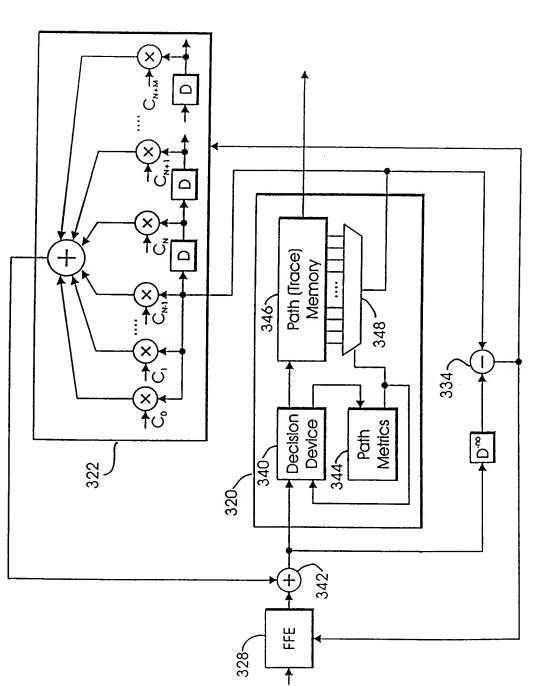


FIG. 23



Attorney: LeRoy T. Rahn Docket No.: 51397/LTR/B600 Inventor(s): Thuji S. Lin et al. Title: PHASE DETECTORS IN CARRIER RECOVERY FOR OFFSET QAM AND VSB Sheet 16 of 16

